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To: Robert Sanchez/R3/USEPA/US@EPA Subject: Galaxy/Spectron Site

Rob,

Attached is a very good paper on the application of air sparging remedial techniques such as the biosparge system that you are currently considering to use to treat highly contaminated soils at the Galaxy/Spectron site. This paper includes a discussion of site conditions that favor the successful application of these technologies (Section 2.2), technology performance of a biosparge system (Section 4.1) and vapor extraction/air sparging system via horizontal wells (Section 4.4), and the advantages (Section 5.0) and limitations (Section 6.0) of these type systems. Jim

Sparge_o.pdf